

Build your own Expert System

Chris Naylor



*Artificial
Intelligence
for the aspiring
microcomputer*

SIGMA 

*With listings for Apple II
and Sinclair Spectrum*

Build Your Own Expert System

C. Tasso, G. Guida



Build Your Own Expert System:

Build Your Own Expert System Chris Naylor, 1987

Topics in Expert System Design C. Tasso, G. Guida, 2014-06-28

Expert Systems are so far the most promising achievement of artificial intelligence research. Decision making, planning, design, control, supervision, and diagnosis are areas where they are showing great potential. However, the establishment of expert system technology and its actual industrial impact are still limited by the lack of a sound general and reliable design and construction methodology. This book has a dual purpose: to offer concrete guidelines and tools to the designers of expert systems and to promote basic and applied research on methodologies and tools. It is a coordinated collection of papers from researchers in the USA and Europe examining important and emerging topics, methodological advances, and practical experience obtained in specific applications. Each paper includes a survey introduction and a comprehensive bibliography is provided.

Handbook of VLSI Chip Design and Expert Systems A. F. Schwarz, 2014-05-10. Handbook of VLSI Chip Design and Expert Systems provides information pertinent to the fundamental aspects of expert systems which provides a knowledge based approach to problem solving. This book discusses the use of expert systems in every possible subtask of VLSI chip design as well as in the interrelations between the subtasks. Organized into nine chapters, this book begins with an overview of design automation which can be identified as Computer Aided Design of Circuits and Systems (CAD/CAS). This text then presents the progress in artificial intelligence with emphasis on expert systems. Other chapters consider the impact of design automation which exploits the basic capabilities of computers to perform complex calculations and to handle huge amounts of data with a high speed and accuracy. This book discusses as well the characterization of microprocessors. The final chapter deals with interactive I/O devices. This book is a valuable resource for system design experts, circuit analysts, and designers, logic designers, device engineers, technologists, and application specific designers.

Building Energy Management Systems Geoff Levermore, 2013-07-04. Energy management systems are used to monitor building temperature inside and outside buildings and control the boilers and coolers. Energy efficiency is a major cost issue for commerce and industry and of growing importance on university syllabuses. Fully revised and updated, this text considers new developments in the control of low energy and HVAC systems and contains two new chapters. Written for practising engineers, essential for control engineers and energy managers in addition to being essential reading for under postgraduate courses in building services and environmental engineering.

Computerworld, 1986-09-29. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site, Computerworld.com, twice monthly publication, focused conference series, and custom research form the hub of the world's largest global IT media network.

Artificial Intelligence & Expert Systems Sourcebook V. Daniel Hunt, 2012-12-06. Artificial intelligence and expert systems research, development, and demonstration have rapidly expanded over the past several years as a result; new terminology is appearing at a phenomenal rate. This sourcebook provides an introduction to

artificial intelligence and expert systems it provides brief definitions it includes brief descriptions of software products and vendors and notes leaders in the field Extensive support material is provided by delineating points of contact for receiving additional information acronyms a detailed bibliography and other reference data The terminology includes artificial intelligence and expert system elements for Artificial Intelligence Expert Systems Natural language Processing Smart Robots Machine Vision Speech Synthesis The Artificial Intelligence and Expert System Sourcebook is compiled from information acquired from numerous books journals and authorities in the field of artificial intelligence and expert systems I hope this compilation of information will help clarify the terminology for artificial intelligence and expert systems activities Your comments revisions or questions are welcome V Daniel Hunt Springfield Virginia May 1986 ix Acknowledgments The information in Artificial Intelligence and Expert Systems Sourcebook has been compiled from a wide variety of authorities who are specialists in their respective fields The following publications were used as the basic technical resources for this book Portions of these publications may have been used in the book Those definitions or artwork used have been reproduced with the permission to reprint of the respective publisher

Expert Systems in Reference Services Christine Roysdon, Howard D. White, 1989 Enhance your understanding of developments in expert systems related to reference work This important new book introduces readers to expert systems applications in many areas of library and information science and presents design and implementation issues encountered by librarians who have developed early systems to address the library reference function Systems for ready reference online database access and enhancement of subject searching in online catalogs are all explored Theoretical issues related to expert systems are balanced with descriptions of actual systems currently operating or under development Reference librarians interested in computing and automation library managers and administrators as well as teachers and students in library schools will be fascinated by this account of how expert systems are helping to make the expertise of the reference librarian available in a more consistent and timely fashion and reduce the burden of repetitive predictable questions for the professional

Expert Systems and Probabilistic Network Models Enrique Castillo, Jose M. Gutierrez, Ali S. Hadi, 2012-12-06 Artificial intelligence and expert systems have seen a great deal of research in recent years much of which has been devoted to methods for incorporating uncertainty into models This book is devoted to providing a thorough and up to date survey of this field for researchers and students

Expert Systems in Auditing J C van Dijk, Paul Williams, 1990-12-12 This book provides an understanding of the concepts and objectives of expert systems It is a practical guide intended to help the practitioner in identifying potential application in his her own practice and to understand the limitations of the technology This should provide the auditor with a ground basis to direct stimulate and control development efforts in his own practice At the same time it should give students in auditing a good grasp of the possibilities and limitations of the technology

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